

# Tree Report of 20582



Genus  
**Samanea**

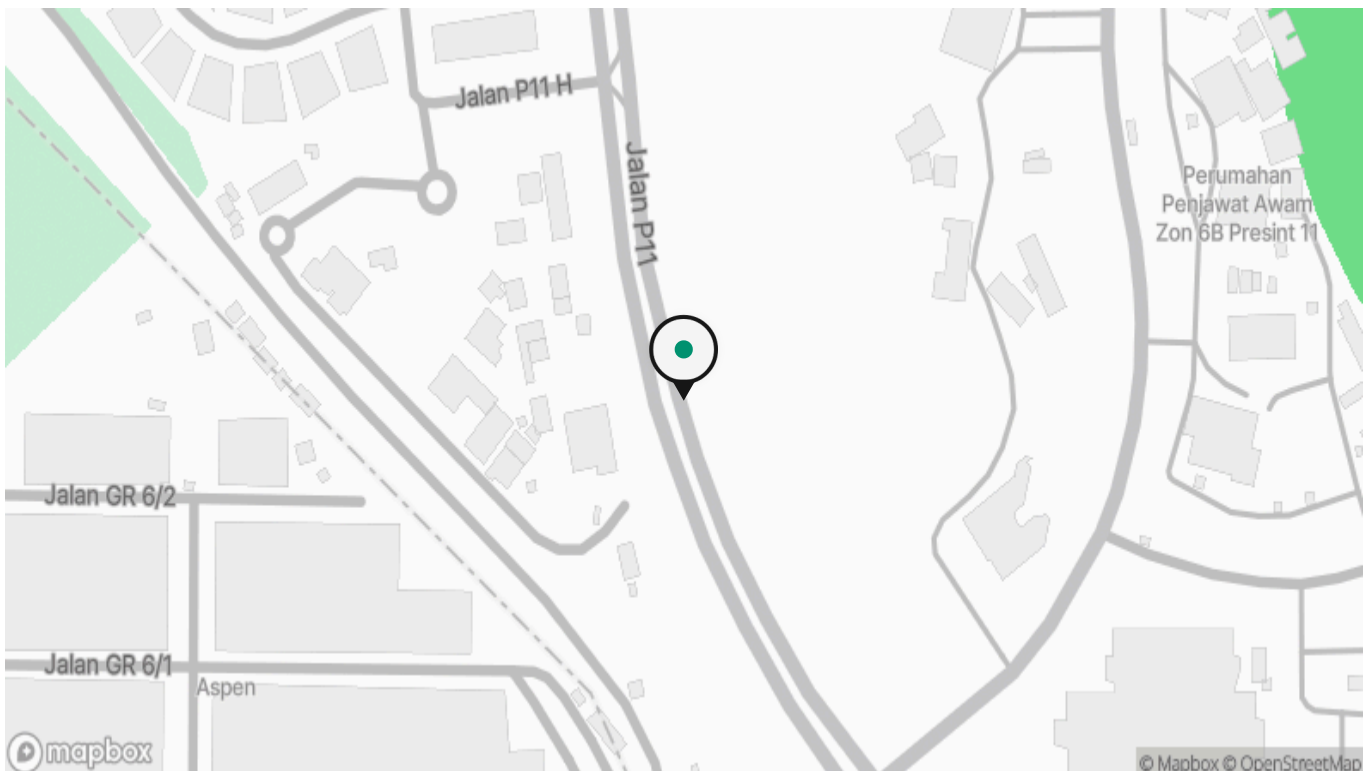
Species  
**saman**

Common Name  
**Hujan-hujan**

Date of report  
**16th March, 2026**

Address  
**Jalan P11**

Position  
**2.951967660410986, 101.67500060788431**



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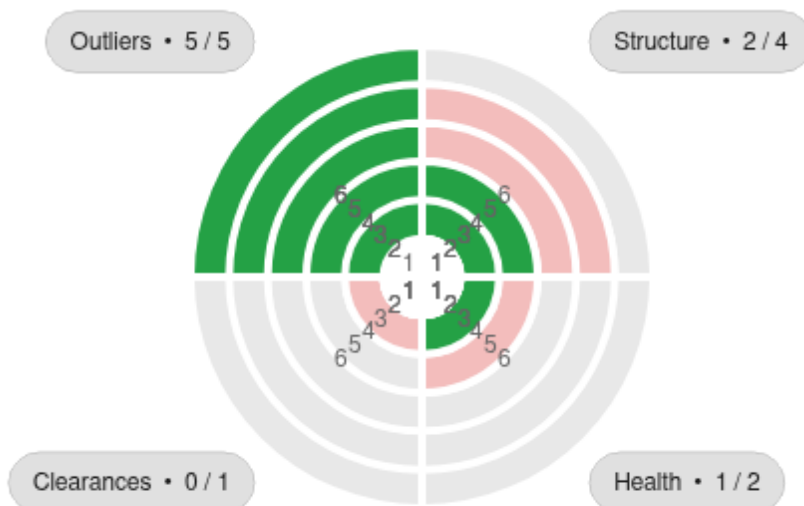
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## Structural assessment

- Trunk stability (base)
- Crown Lean Angle
- Slenderness
- Dieback

## Health & Vitality

- Dieback
- Foliage Transparency

## Clearances

- Road

## Outliers

- DBH vs Leaf Area
- Height vs Crown Volume
- DBH vs Height
- Leaf Area vs Crown Volume
- DBH vs Crown Volume

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## Dimensions

Total Height	Very high	14.69 m	Crown Spread	Very large	17.79 m
Trunk Height	High	2.9 m	Tree Protection Zone	Very large	6.2 m
DBH	Very large	0.52 m	Root Protection Zone	Very large	9.3 m
Crown Height	Very large	11.49 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	<b>Low</b>	28.43	Crown Lean Angle	<b>Very high</b>	37.87 °
Trunk Stability Index		1.17	Trunk Lean Angle	<b>Very high</b>	14.81 °
Critical Wind Speed		75 kmh			

### Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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## Health and vitality

### Condition & Vigor

Dieback	<b>Low</b>	0.38%	Foliage Transparency		24.3%
Basal Area Increment		-	Leaf Area	<b>Very large</b>	942.53 m <sup>2</sup>
NDVI		-	Leaf Area Index	<b>Low</b>	4.92

### Foliage

Leaf Area Density	<b>Low</b>	0.61 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>High</b>	78.18%
Crown Volume	<b>Very large</b>	1,546.71 m <sup>3</sup>			

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.68 m <sup>3</sup> /yr	Evaporation	Very high	11.88 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	73.35 m <sup>3</sup> /yr	Transpiration	Very high	14.07 m <sup>3</sup> /yr
Water Intercepted	Very high	11.96 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	764.03 kg	CO Removal	Very high	26.56 g/yr
Carbon Sequestration	High	49.65 kg/yr	NO <sub>2</sub> Removal	Very high	104.97 g/yr
Oxygen Production	High	131.2 kg/yr	O <sub>3</sub> Removal	Very high	1,265.11 g/yr
PM <sub>2.5</sub> Removal	Very high	66.06 g/yr	SO <sub>2</sub> Removal	Very high	226.47 g/yr

### Economical value

Cavat Value Very valuable 9,209.38 £

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## Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 0
Trunk Diameter / Crown Volume	No		

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## Clearances

**Building Clearance**

⊘ Not available

**Road Clearance**

⊗ Issue(s) found

↳ Min. height clearance:  
Obstruction (height):  
Obstruction (volume):  
Affected crown:

3.1 m  
0.0 m  
0.5 m<sup>3</sup>  
0.7%

**Wire Clearance**

⊘ Not available

**Traffic Sign Clearance**

⊘ Not available

**Visibility Clearance**

⊘ Not available

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